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Run on: March 1, 2001, 16:14:52 ; Search time 52.2 Seconds	(without alignments)				
Title: US-09-331-631a-31	35.121 Million cell updates/sec				
perfect score: 75					
Sequence: 1 CXXCXXCXXXXXXCXXXCXXXC 27					
Scoring table: BLOSUM62DX					
Gapop 10.0 , Gapext 0.5					
Searched: 195891 seqs, 6790655 residues					
Total number of hits satisfying chosen parameters: 195891					
Minimum DB seq length: 0					
Maximum DB seq length: 200000000					
Post-processing: Minimum Match 0%					
Maximum Match 100%					
Listing first 45 summaries					
Database : PIR_66.2					
1: pir1:*					
2: pir2:*					
3: pir3:*					
4: pir4:*					
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.					
SUMMARIES					
Result No.	Score	Query	Match Length	DB ID	Description
1	75	100.0	68	2	S25775
2	75	100.0	152	2	T8975
3	75	100.0	164	2	T24272
4	75	100.0	188	2	T16551
5	75	100.0	223	2	B8346
6	66	88.0	188	2	S18173
7	66	88.0	43	2	S18174
8	66	88.0	43	2	S33382
9	66	88.0	52	2	S65712
10	66	88.0	56	1	WTFF
11	66	88.0	60	1	SM01A
12	66	88.0	60	1	SM01B
13	66	88.0	60	2	JC2420
14	66	88.0	60	2	JC2419
15	66	88.0	60	2	JC2419
16	66	88.0	60	2	B27490
17	66	88.0	60	2	S36335
18	66	88.0	61	1	SM012
19	66	88.0	61	1	SM012
20	66	88.0	61	1	SM012
21	66	88.0	61	1	SM01A
22	66	88.0	61	1	SM01B
23	66	88.0	61	1	SM01
24	66	88.0	61	1	SM01F
25	66	88.0	61	1	SM012
26	66	88.0	61	1	SM052
27	66	88.0	61	1	SM02C
28	66	88.0	61	1	SM02
29	66	88.0	61	1	SM02
ALIGNMENTS					
RESULT	1	S25775	testis-specific protein Mat84Dg - fruit fly ( <i>Drosophila melanogaster</i> )		
C;Species: <i>Drosophila melanogaster</i>		C;Date: 26-Jul-1996 #sequence_revision 26-Jul-1996 #text_change 20-Aug-1999			
C;Accession: S25775; D5655		R;Kuhn, R.; Kuhn, C.; Boersch, D.; Glaetzer, K.H.; Schaefer, M.			
Mech. Dev. 35, 143-151, 1991		A;Title: A cluster of four genes selectively expressed in the male germ line of <i>Drosophila</i>			
A;Reference number: A56565; MUDID:92102953		A;Accession: S2575			
A;Molecule type: DNA		A;Residues: 1-68 <KUH>			
A;Cross-references: EMBL:X67703; NID:gi11072; PIDN:CAA47940.1; PID:gi11076		A;Note: sequence extracted from NCBI backbone (NCBIn:74217, NCBIPI:74223)			
C;Genetics:		C;Gene: M584D			
A;Cross-references: FlyBase:FBgn0004175		A;Map position: 3			
C;Superfamily: fruit fly testis-specific protein		A;Molecule type: DNA			
C;Keywords: spermatogenesis; tandem repeat		A;Cross-references: EMBL:X67703; NID:gi11072; PIDN:CAA47940.1; PID:gi11076			
Query Match 100.0%; Score 75; DB 2; Length 68;		C;Species: <i>Caenorhabditis elegans</i>			
Best Local Similarity 22.2%; Pred. No. 22; Matches 6; Conservative 21; Mismatches 0; Indels 0; Gaps 0;		C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999			
QY	1	1 CXXCXXCXXXXXXCXXXCXXXC 27			
DB	10	0 GPGCGCCGPGCCGPGCC 36			
RESULT	2	118975			
metallothionein -		hypothetical protein C06A1.6 - <i>Caenorhabditis elegans</i>			
metallothionein -		C;Species: <i>Caenorhabditis elegans</i>			
metallothionein -		C;Accession: T18975			
metallothionein -		C;Accession: T18975 #sequence_revision 15-Oct-1999			
metallothionein B		R;McMurray, A.			
metallothionein -		submitted to the EMBL Data Library, June 1995			
metallothionein 2		A;Reference number: Z19054			
metallothionein 2		A;Accession: T18975			
metallothionein 1E		A;Status: Preliminary; translated from GB/EMBL/DBJ			
metallothionein 1A		A;Molecule type: DNA			
metallothionein 1B		A;Residues: 1-152 <WTI>			
metallothionein 1		A;Cross-references: EMBL:Z49886; PIDN:CAA90055.1; GSPDB:GN000020; CESP:C06A1.6			
metallothionein 1F		C;Genetics:			
metallothionein II		A;Gene: CESP:C06A1.6			
metallothionein II		A;Map position: 2			
metallothionein 1B		A;Introns: 22/3			



A; Status: preliminary  
 A; Molecule type: mRNA  
 A; Residues: 1-43 <SHA>  
 A; Cross-references: EMBL:X62512; NID:962751; PIDN:CAA44371.1; PID:962752  
 C; Superfamily: metallothionein  
  
 Query Match 88.0%; Score 66; DB 2; Length 43;  
 Best Local Similarity 19.2%; Pred. No. 83;  
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;  
 A; Title: metallothionein - ring-necked pheasant (fragment)  
 A; Accession: S33382; S18182  
 R; Sharitzer, K.L.; Kage, K.; Soboleski, R.J.; Andrews, G.K.  
 J. Mol. Evol. 36, 255-262, 1993  
 A; Title: Evolution of avian metallothionein: DNA sequence analyses of the turkey metallothionein  
 A; Accession: S33382  
 A; Status: preliminary  
 A; Molecule type: mRNA  
 A; Residues: 1-43 <SHA>  
 A; Cross-references: EMBL:X02510; NID:964214; PIDN:CAA44369.1; PID:964215  
 C; Superfamily: metallothionein  
  
 Query Match 88.0%; Score 66; DB 2; Length 43;  
 Best Local Similarity 19.2%; Pred. No. 83;  
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;  
 A; Title: metallothionein 1A - horse  
 A; Accession: A03277  
 R; Kojima, Y.; Kagi, J.H.R.  
 Trends Biochem. Sci. 3, 90-93, 1978  
 A; Title: Metallothionein  
 A; Reference number: A03277  
 A; Molecule type: protein  
 A; Residues: 1-60 <KO>  
 A; Experimental source: liver and kidney  
 A; Note: both Ser and Ieu occur at position 54  
 C; Superfamily: metallothionein  
 C; Keywords: acetylated amino end; metal binding  
 F; L; Modified site: acetylated amino end (Met) #status experimental  
 F; 5, 7, 13, 15, 19, 21, 24, 26, 29/Binding site: transition metal ions (Cys) #status predicted  
 F; 33, 34, 36, 37, 41, 44, 48, 50, 57, 59/Binding site: transition metal ions (Cys) #status predicted  
  
 Query Match 88.0%; Score 66; DB 1; Length 60;  
 Best Local Similarity 19.2%; Pred. No. 1e02;  
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;  
 A; Title: differential sensitivity of metallothionein-1 and -2 in liver of zinc-injected  
 A; Reference number: S65712; MUID:96195842  
 A; Accession: S65712  
 A; Status: preliminary  
 A; Molecule type: protein  
 A; Residues: 1-23; 24-46; 47-52 <SAI>  
 C; Superfamily: metallothionein  
 C; Keywords: blocked amino end  
  
 Query Match 88.0%; Score 66; DB 2; Length 52;  
 Best Local Similarity 19.2%; Pred. No. 92;  
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;  
 A; Title: metallothionein - plaice  
 A; Accession: S30567  
 R; Leaver, M.J.; George, S.G.  
 submitted to the EMBL Data Library, November 1990  
 A; Reference number: S30567  
 A; Accession: S30567  
 A; Status: preliminary  
 A; Molecule type: mRNA  
 A; Residues: 1-60 <LEA>  
 A; Cross-references: EMBL:X56743; NID:964237; PIDN:CAA40067.1; PID:964238  
 C; Superfamily: metallothionein  
  
 Query Match 88.0%; Score 66; DB 2; Length 43;  
 Best Local Similarity 19.2%; Pred. No. 83;  
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;  
 A; Title: Cis-acting regions sufficient for spermatocyte-specific transcriptional and  
 A; Reference number: S00340; MUID:88211557  
 A; Accession: S00340  
 A; Molecule type: DNA  
 A; Residues: 1-56 <KUH>  
 A; Cross-references: EMBL:Y00831; NID:98650; PIDN:CAA68761.1; PID:98651  
 C; Genetics:  
 A; Gene: Flybase:Mst87F  
 A; Cross-references: FlyBase:FBgn002862  
 C; Superfamily: fruit fly testis-specific protein  
 C; Keywords: sex-specific protein; testis  
  
 RESULT 8  
 S33382  
 metallothionein - ring-necked pheasant (fragment)  
 C; Species: Phasianus colchicus (ring-necked pheasant)  
 C; Date: 13-Jan-1995 #sequence\_revision 13-Jan-1995 #text\_change 20-Aug-1999  
 C; Accession: S33382; S18182  
 R; Sharitzer, K.L.; Kage, K.; Soboleski, R.J.; Andrews, G.K.  
 J. Mol. Evol. 36, 255-262, 1993  
 A; Title: Evolution of avian metallothionein: DNA sequence analyses of the turkey metallothionein  
 A; Accession: S33382  
 A; Status: preliminary  
 A; Molecule type: mRNA  
 A; Residues: 1-43 <SHA>  
 A; Cross-references: EMBL:X02510; NID:964214; PIDN:CAA44369.1; PID:964215  
 C; Superfamily: metallothionein  
  
 RESULT 9  
 S65712  
 metallothionein 1 - rat (fragments)  
 C; Species: Rattus norvegicus (Norway rat)  
 C; Date: 06-Dec-1996 #sequence\_revision 13-Mar-1997 #text\_change 13-Sep-1997  
 C; Accession: S65712  
 R; Saito, S.; Hunziker, P.E.  
 Biochim. Biophys. Acta 1289, 65-70, 1996  
 A; Title: Differential sensitivity of metallothionein-1 and -2 in liver of zinc-injected  
 A; Reference number: S65712; MUID:96195842  
 A; Accession: S65712  
 A; Status: preliminary  
 A; Molecule type: protein  
 A; Residues: 1-23; 24-46; 47-52 <SAI>  
 C; Superfamily: metallothionein  
 C; Keywords: blocked amino end  
 F; L; Modified site: blocked amino end (Met) #status experimental  
 F; 5, 7, 13, 15, 19, 21, 24, 26, 29/Binding site: transition metal ions (Cys) #status predicted  
 F; 33, 34, 36, 37, 41, 44, 48, 50, 57, 59/Binding site: transition metal ions (Cys) #status predicted  
  
 RESULT 11  
 S65712  
 metallothionein 1A - horse  
 C; Species: Equus caballus (domestic horse)  
 C; Date: 31-May-1979 #sequence\_revision 31-May-1979 #text\_change 13-Sep-1996  
 C; Accession: A03277  
 R; Kojima, Y.; Kagi, J.H.R.  
 Trends Biochem. Sci. 3, 90-93, 1978  
 A; Title: Metallothionein  
 A; Reference number: A03277  
 A; Molecule type: protein  
 A; Residues: 1-60 <KO>  
 A; Experimental source: liver and kidney  
 A; Note: both Ser and Ieu occur at position 54  
 C; Superfamily: metallothionein  
 C; Keywords: acetylated amino end; metal binding  
 F; L; Modified site: acetylated amino end (Met) #status experimental  
 F; 5, 7, 13, 15, 19, 21, 24, 26, 29/Binding site: transition metal ions (Cys) #status predicted  
 F; 33, 34, 36, 37, 41, 44, 48, 50, 57, 59/Binding site: transition metal ions (Cys) #status predicted  
  
 RESULT 12  
 S30567  
 metallothionein - plaice  
 C; Species: Pleuronectes platessa (plaice)  
 C; Date: 06-Jan-1995 #sequence\_revision 06-Jan-1995 #text\_change 20-Aug-1999  
 C; Accession: S30567  
 R; Leaver, M.J.; George, S.G.  
 submitted to the EMBL Data Library, November 1990  
 A; Reference number: S30567  
 A; Accession: S30567  
 A; Status: preliminary  
 A; Molecule type: mRNA  
 A; Residues: 1-60 <LEA>  
 A; Cross-references: EMBL:X56743; NID:964237; PIDN:CAA40067.1; PID:964238  
 C; Superfamily: metallothionein  
  
 RESULT 10  
 WTPF  
 testis-specific protein (clone mst(3)91-9) - fruit fly (Drosophila melanogaster)

